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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/512,074	07/05/2005	Giorgio Gandolfi	260599US6X PCT	2794	
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET			EXAMINER		
			FLANIGAN, ALLEN J		
ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER	
			3744		
			NOTIFICATION DATE	DELIVERY MODE	
			07/02/2009	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

		Applica	tion No.	Applicant(s)		
Office Action Summary		10/512,	074	GANDOLFI ET AI	L.	
		Examin	er	Art Unit		
		Allen J. I	Flanigan	3744		
Period fo	The MAILING DATE of this communi r Reply	ication appears on t	he cover sheet v	with the correspondence ac	ddress	
A SHO WHIC - Exter after - If NO - Failur Any r	DRTENED STATUTORY PERIOD FOR HEVER IS LONGER, FROM THE M Isions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this commodified above, the maximum state to reply within the set or extended period for reply eply received by the Office later than three months and patent term adjustment. See 37 CFR 1.704(b).	AILING DATE OF T of 37 CFR 1.136(a). In no e unication. tutory period will apply and will, by statute, cause the ap	THIS COMMUN event, however, may a will expire SIX (6) MC oplication to become a	IICATION. a reply be timely filed DNTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).	•	
Status						
2a)⊠	Responsive to communication(s) file This action is FINAL . Since this application is in condition closed in accordance with the practic	2b)⊡ This action is for allowance excep	non-final. ot for formal ma	•	e merits is	
Dispositi	on of Claims					
5)□ 6)⊠ 7)⊠ 8)□ Applicati	Claim(s) <u>42-82</u> is/are pending in the 4a) Of the above claim(s) <u>63-82</u> is/ar Claim(s) <u></u> is/are allowed. Claim(s) <u>42-55 and 57-59</u> is/are reje Claim(s) <u>56,60 and 61</u> is/are objecte Claim(s) <u></u> are subject to restrice on Papers	e withdrawn from co cted. d to. tion and/or election				
10)	The specification is objected to by the The drawing(s) filed on is/are: Applicant may not request that any object Replacement drawing sheet(s) including The oath or declaration is objected to	a) accepted or betion to the drawing(s) the correction is requ	be held in abeya	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 C	, ,	
Priority u	nder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notice (3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (Penation Disclosure Statement(s) (PTO/SB/08) of No(s)/Mail Date	TO-948)	Paper No	Summary (PTO-413) o(s)/Mail Date Informal Patent Application 		

Claims 63-82 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 7/25/2008.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 42-49 and 62 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combined teachings of Droin and Takayasu.

Please see the comments made in regard to the above rejection in the previous Office action. Regarding claim 62, this claim adds nothing structurally to the subject matter of claim 42 (the claimed "plant" recites no additional components beyond the heat exchanger recited in claim42); limitations which concern the intended use of the claimed heat exchanger at most require the prior art be capable of such use. Clearly almost any tube in shell or other conventional heat exchanger design could be employed in some manner in a urea synthesis plant.

Claim 50 is rejected under 35 U.S.C. 103(a) as being unpatentable over the combined teachings of Droin and Takayasu as applied to claim 42 above, and further in view of Laber.

Please see the comments made in regard to the above rejection in the previous Office action.

Claims 51-55, and 57-59 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combined teachings of Droin and Takayasu as applied to claim 42 above, and further in view of Menicatti et al.

Please see the comments made in regard to the above rejection in the previous Office action.

Applicant's arguments filed 3/20/2009 have been fully considered but they are not persuasive.

Applicant's arguments are predicated on the presumption that the recitation of an "intermediate layer made of stainless steel" defines over the stainless steel mesh 3 taught in Takayasu. The words used in the claims are, during prosecution, given their broadest reasonable interpretation consistent with the specification. The plain ordinary meaning of terms is applied unless specifically redefined in a more narrow sense in the specification. Limiting the term "layer" to the narrow definition of an "uninterrupted layer" so as to exclude mesh would be improper. The assertion that one skilled in the art would understand the broad term "layer" to exclude mesh or expanded metal is unpersuasive. There are, for example, over a thousand US patents that use the term "mesh layer", thus it is clear that the word layer is conventionally used to refer to mesh as well as to uninterrupted foils of material. See MPEP 2111.

Claims 56, 60, and 61 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allen J. Flanigan whose telephone number is (571) 272-4910. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Allen J. Flanigan/ Primary Examiner, Art Unit 3744